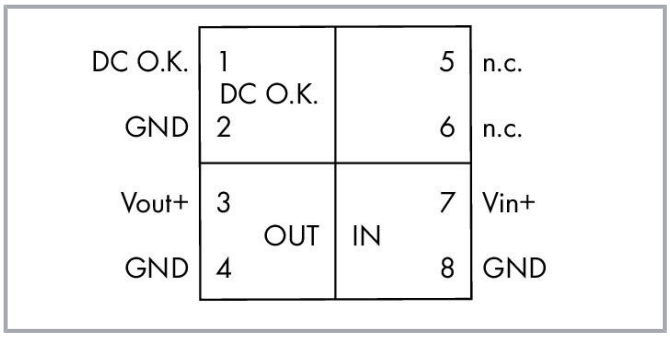
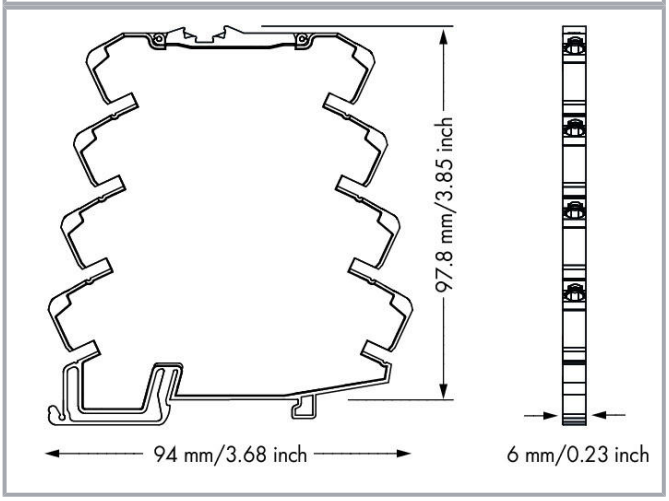
Data sheet | Item number: 787-2802

DC/DC Converter; 24 VDC input voltage; 10 VDC output voltage; 0.5 A output current; DC OK contact

www.wago.com/787-2802







Subject to changes. Please also observe the further product documentation!

WAGO Kontakttechnik GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.

Item description

Features:

- DC/DC converter in a compact 6 mm housing
- DC/DC converters (787-28xx) supply devices with 5, 10, 12 or 24 VDC from a 24 or 48 VDC power supply with an output power up to 12 W.
- Output voltage monitoring via DC OK signal output
- Can be commoned with 857 and 2857 Series devices
- Comprehensive range of approvals for multiple applications

Data

Technical data

Nominal input voltage $U_{i\,nom}$	DC 24 V
Input voltage range	DC 15 … 30 V
Nominal mains frequency range	0 Hz
Input current I_i	≤ 0.42 A
Inrush current	≤ 0.5 A (at nominal input voltage)
Power loss P_l	≤ 0.19 W (No load); ≤ 0.7 W (Nominal load)
Efficiency (typ.)	89 % (at nominal input voltage and nominal output)
Nominal output voltage $U_{o\,nom}$	DC 10 V
Output voltage range	±2 %
Nominal output current $I_{o\,nom}$	0.5 A
Nominal output power	5 W
Control deviation	≤ 2 %
Load regulation	≤ 1 %
Residual ripple	≤ 20 mV (peak-to-peak)
Protection class	III
Protection type	IP20 (per EN 60529)
Reverse voltage protection	yes
Resistance to reverse feed	≤ DC 16 V
Pollution degree	2
Short-circuit-protected	Yes
Open-circuit-proof	Yes
Parallel operation	No
Series operation	No
MTBF	> 1,800,000 h
Internal fuse	No

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Signaling	1 x LED DC OK (green) 1 x Short circuit LED (red) 1 x active signal output (U_i, max. 4 mA)
Operation status indicator	Green LED (U_o) Red LED (short circuit)

Connection data

Number of jumper slots	8
Connection technology	Push-in CAGE CLAMP®
WAGO Connector	WAGO 857 Series
Solid conductor	0.08 … 2.5 mm² / 28 … 14 AWG
Fine-stranded conductor	0.34 … 2.5 mm² / 22 … 14 AWG
Strip length	9 … 10 mm / 0.35 … 0.39 inch

Physical data

Width	6 mm / 0.236 inch
Height from upper-edge of DIN-rail	97.8 mm / 3.85 inch
Depth	94 mm / 3.701 inch

Mechanical data

Mounting type	DIN-35 rail

Material data

Weight	36 g

Environmental requirements

Surrounding air temperature (operation)	-25 … 70 °C
Surrounding air temperature (storage)	-40 … 85 °C
Relative humidity	95% (no condensation permissible)
Derating	No derating

Standards and specifications

Conformity marking	CE
Standards/Specifications	EN 61000-6-2 EN 61000-6-3

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	EN 60950-1 UL 61010-2-201

Commercial data

PU (SPU)	1 Stück
Packaging type	bag
Country of origin	DE
GTIN	4055143407069
Customs tariff number	85044082900

Approvals / Certificates

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	UL 61010-2-201	E175199 Vol3 Sec1

Optional accessories

Marking accessories

Marking strip		
	Item no.: 2009-110 Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white	www.wago.com/2009-110
Marker		
	Item no.: 2009-115 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white	www.wago.com/2009-115
	Item no.: 793-501 WMB marking card; as card; not stretchable; plain; snap-on type; white	www.wago.com/793-501
	Item no.: 793-502 WMB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; white	www.wago.com/793-502
	Item no.: 793-503 WMB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; white	www.wago.com/793-503
	Item no.: 793-504 WMB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; white	www.wago.com/793-504

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	Item no.: 793-505 WMB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type; white	www.wago.com/793-505
	Item no.: 793-506 WMB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type; white	www.wago.com/793-506
	**Item no.: 793-566** WMB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type; white	www.wago.com/793-566
	Item no.: 793-5501 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white	www.wago.com/793-5501

Tool

Operating tool

	**Item no.: 210-720** Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured	www.wago.com/210-720

Ferrule

Ferrule

	**Item no.: 216-241** Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white	www.wago.com/216-241
	**Item no.: 216-242** Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray	www.wago.com/216-242
	**Item no.: 216-243** Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red	www.wago.com/216-243
	**Item no.: 216-244** Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black	www.wago.com/216-244

Downloads

Documentation

Bid Text

787-2802 pdf - Datei	2016. 1. 11.	pdf 91.9 kB	Download
787-2802 docx - Datei	2016. 1. 11.	docx 20.4 kB	Download
787-2802 X81 - Datei	2019. 2. 19.	xml 5.8 kB	Download

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Instruction Leaflet

DC/DC-Wandler	V 1.1.1 2020. 3. 31.	pdf 2.4 MB	Download

Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf 265.8 kB	Download

CAD/CAE-Data

CAD data

2D/3D Models 787-2802	URL	Download

CAE data

EPLAN Data Portal 787-2802	URL	Download
ZUKEN Portal 787-2802	URL	Download
WSCAD Universe 787-2802	URL	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 787-2802 DC/DC Converter; 24 VDC input voltage; 10 VDC output voltage; 0.5 A output current; DC OK contact	URL	Download

Installation Notes

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